

AMENDMENT TO THE CLAIMS

1.-242. Canceled

243. (Currently Amended) A method comprising:

implanting at least one electrode in a patient in contact with a pelvic muscle of the patient;

implanting a stimulator device in the patient;

driving the at least one electrode to apply an electrical waveform to the muscle using the stimulator device; and

providing for the waveform a range of pulse width durations that includes 2 ms.

244. (Original) The method according to claim 243, wherein providing the range of pulse width durations comprises setting the range of pulse width durations to be selectable from 0.1 ms to 2 ms.

245. (Original) The method according to claim 243, wherein implanting the at least one electrode comprises implanting the at least one electrode in the pelvic muscle.

246. (Currently Amended) The method according to claim 243, further comprising contracting the pelvic muscle in response to driving the at least one electrode, wherein urine flow through a urethra of the patient is inhibited~~wherein driving the at least one electrode comprises configuring the waveform to treat urinary incontinence of the patient.~~

247. (Currently Amended) The method according to claim 246, ~~wherein the urinary incontinence includes urinary urge incontinence,~~ and driving the at least one electrode comprises configuring the waveform to treat the urinary urge incontinence.

248. (Currently Amended) The method according to claim 246, ~~wherein the urinary incontinence includes stress incontinence, and~~ wherein driving the at least one electrode comprises configuring the waveform to treat ~~the stress incontinence~~.

249. (Currently Amended) A method comprising:  
implanting at least one electrode in a patient in contact with a pelvic muscle of the patient; and  
implanting a stimulator device in the patient; and  
driving the at least one electrode to apply a biphasic electrical waveform to the muscle using the stimulator device.

250. (Original) The method according to claims 249, wherein implanting the at least one electrode comprises implanting the at least one electrode in the pelvic muscle.

251. (Currently Amended) The method according to claim 249, further comprising contracting the pelvic muscle in response to driving the at least one electrode, wherein urine flow through a urethra of the patient is inhibited~~wherein driving the at least one electrode comprises configuring the waveform to treat urinary incontinence of the patient~~.

252. (Currently Amended) The method according to claim 251, ~~wherein the urinary incontinence includes urinary urge incontinence, and~~ driving the at least one electrode comprises configuring the waveform to treat ~~the urinary urge incontinence~~.

253. (Currently Amended) The method according to claim 251, ~~wherein the urinary incontinence includes stress incontinence, and~~ wherein driving the at least one electrode comprises configuring the waveform to treat ~~the stress incontinence~~.

254. (Currently Amended) A method comprising:

implanting at least one electrode in a patient in a pelvic muscle of the patient selected from the list consisting of a levator ani muscle, and a urethral sphincter muscle;  
and  
implanting a stimulator device in the patient; and  
driving the at least one electrode to apply an electrical waveform to the muscle using the stimulator device.

255. (Original) The method according to claim 254, wherein the pelvic muscle includes the levator ani muscle, and wherein implanting the at least one electrode comprises implanting the at least one electrode in the levator ani muscle.

256. (Original) The method according to claim 254, wherein the pelvic muscle includes the urethral sphincter muscle, and wherein implanting the at least one electrode comprises implanting the at least one electrode in the urethral sphincter muscle.

257. (Currently Amended) The method according to claim 254, further comprising contracting the pelvic muscle in response to driving the at least one electrode, wherein urine flow through a urethra of the patient is inhibited~~wherein driving the at least one electrode comprises configuring the waveform to treat urinary incontinence of the patient.~~

258. (Currently Amended) The method according to claim 257, wherein ~~the urinary incontinence includes urinary urge incontinence, and~~ driving the at least on electrode comprises configuring the waveform to treat the urinary urge incontinence.

259. (Currently Amended) The method according to claim 257, ~~wherein the urinary incontinence includes urinary stress incontinence, and~~ wherein driving the at lest one electrode comprises configuring the waveform to treat ~~the stress~~ incontinence.

260. (Currently Amended) A method comprising:  
implanting at least one electrode in a patient in contact with a pelvic muscle of the  
patient;  
implanting a stimulator device in the patient;  
driving the at least one electrode to apply an electrical waveform to the muscle using the  
stimulator device; and  
terminating application of the waveform after a predetermined period of time.

261. (Original) The method according to claim 260, wherein the predetermined period of time  
is about 5 seconds.

262. (Original) The method according to claim 260, wherein driving the at least one electrode  
comprises driving the at least one electrode to reapply the waveform after termination of the  
application of the waveform.

263. (Original) The method according to claim 260, wherein implanting the at least one  
electrode comprises implanting the at least one electrode in the pelvic muscle.

264. (Currently Amended) The method according to claim 260, wherein driving the at least  
one electrode comprises providing for the waveform a plurality of pulses each having a duration  
of less than 1 ms; a range of pulse width durations that includes 2 ms.

265. (Original) The method according to claim 264, wherein providing the range of pulse  
width durations comprises setting the range of pulse width durations to be selectable from 0.1 ms  
to 2 ms.

266. (Currently Amended) The method according to claim 260, further comprising contracting  
the pelvic muscle in response to driving the at least one electrode, wherein urine flow through a

~~urethra of the patient is inhibited wherein driving the at least one electrode comprises configuring the waveform to treat urinary incontinence of the patent.~~

267. (Currently Amended) The method according to claim 266, wherein ~~the urinary incontinence includes urinary urge incontinence, and~~ driving the at least one electrode comprises configuring the waveform to treat the urinary urge incontinence.

268. (Currently Amended) The method according to claim 266, wherein ~~the urinary incontinence includes urinary stress incontinence, and~~ wherein driving the at least one electrode comprises configuring the waveform to treat the stress incontinence.

269. (Currently Amended) A method comprising:  
implanting at least one electrode in a patient in a pelvic muscle of the patient; and  
implanting a stimulator device in the patient; and  
driving the at least one electrode using the stimulator device to apply an electrical waveform to the muscle configured to treat a bladder condition caused by damage to nerve pathways from a brain to a bladder.

270. (Original) The method according to claims 269, wherein the bladder condition includes urge incontinence.

271. (Currently Amended) The method according to claim 269, wherein driving the at least one electrode comprises providing for the waveform a plurality of pulses each having a duration of less than 1 ms ~~a range of pulse width durations that includes 2 ms.~~

272. (Original) The method according to claim 271, wherein providing the range of pulse width durations comprises setting the range of pulse width durations to be selectable from 0.1 ms to 2ms.

273. (Currently Amended) A method comprising:  
implanting at least one elongated electrode structure in general alignment with a urethra  
of a patient, in contact with a pelvic muscle of the patient; and  
implanting a stimulator device in the patient;  
driving the at least one electrode to apply an electrical waveform to the muscle using the  
stimulator device; and  
contracting the pelvic muscle in response to driving the at least one electrode, wherein  
urine flow through the urethra of the patient is inhibited.

274. (Original) The method according to claim 273, wherein implanting the at least one  
electrode comprises implanting the at least one electrode in the pelvic muscle.